

# Maryland Energy Administration Program Update

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# EXPANDED PRIORITIES

GHG Reductions  
Stimulating Economy  
Expanding/Retaining  
Clean Energy Workforce  
Resiliency  
Innovation  
Market Transformation  
Strategic Energy  
Management



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# CLEAN ENERGY JOBS

## Maryland Clean Energy Jobs

14th in nation Pre-COVID)

- Energy Efficiency - 71,337
- Renewables - 8,203
- Grid + Storage 2001
- Clean Vehicles 2,839
- Clean Fuels 170

## Maryland Clean Energy Job Growth 2017 - NOV. 2020



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Source: E2 Presentation Clean Jobs Maryland

# COVID IMPACTS

Energy efficiency jobs hit hardest

Slow Recovery

EE/RE job recovery in MD has been slow

Grant to the National Association of State Energy Officials (NASEO) for Maryland Energy Employment Reports in FY21

SEIF investments help keep and return clean energy workers to projects



# LMI - EE PROGRAM

28 awards in FY20

Strong interest in FY21 despite COVID impacts

Maintaining statewide community based capacity  
to reduce energy burden



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# ENERGY EFFICIENCY PROGRAMS

## EE - First Step

Encouraging strategic energy management

Lower interest rates for Lawton EE loans

Unprecedented demand for CI&A grants, data center projects and Lawton loans in FY20



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# PUBLIC FACILITY SOLAR

## NEW FY21 PROGRAM

Stimulate solar development in the built environment

Increase visibility by using public facilities as examples

Access to the Maryland Environmental Service (MES) to Assess Facility and Portfolio solar potential

Grants for detailed site assessments

Grants to reduce capital costs

- \$2,500 per kW for owned systems up to \$125k
- \$600 per kW up to \$300k for 3rd party owned Canopy Systems
- \$400 per kW up to \$200k for rooftop systems



FY20 pilot graduated to full Program in FY21

Grants for feasibility assessment, planning & design

**Microgrids, advanced energy systems & resiliency hubs**

Cleaner energy WITH Resiliency

**Benefits essential services, critical facilities, vulnerable communities, economic development priorities etc.**

Encourages local government, utility & customer collaboration

**Year one (FY20) = 13 awards totaling over \$1 million to support community & facility resiliency**

# RESILIENT MARYLAND



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# Resilient Maryland FY20 SNAPSHOT

## **Frostburg State University - \$100,000**

Campus-scale microgrid to bolster resiliency, further sustainability goals and train a clean energy workforce and transition to the clean energy industry.

## **Groundswell - \$300,000**

Effort with the City of Baltimore to design a network of community resiliency hubs throughout the city's most vulnerable communities. Hubs provide basic needs to maintain comfort, communications and basic needs.

## **Smart Electric Power Alliance - \$99,725**

Collaborative project between SEPA, Baltimore Gas and Electric, The City of Annapolis and consultants the plan and design a community-scale microgrid for a Low-to-Moderate income housing community.

# CHP & FUEL CELLS

**Solid demand in FY20**

**Ongoing priority program to reduce costs and bolster resiliency**

**New “multipliers” in FY21 to provide additional incentives for projects that can demonstrate resilience benefits or use of biomass derived fuels**

**Expect full allocation of FY21 funds**





# MARYLAND SMART ENERGY COMMUNITIES

Encourages local governments to innovation & adopt or improve clean energy, energy efficiency & reduce petroleum consumption



Partnership with 78 Maryland Communities  
Encouraging leadership by example  
Innovation



# CLEAN FUELS INCENTIVE PROGRAM

Evolution of the Alternative fuel infrastructure program (AFIP)

Grants for clean fuels infrastructure and private fleet vehicles

Electrification, Compressed Natural Gas, Propane

Municipal fleets can be supported via the Maryland Smart Energy Communities Program (MSEC)



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# CLEAN FUELS T/A

## FY21 PILOT PROGRAM (new)

Partner with municipal/local government fleets identify opportunities for clean fuels

Tailored for small fleets or subfleets

Access to MEA technical support contractor

Pilot program - Full participation



[Energy.Maryland.gov](http://Energy.Maryland.gov)

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## MEDIA INQUIRIES:

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